

110TH CONGRESS
1ST SESSION

H. RES. 593

Congratulating scientists F. Sherwood Rowland, Mario Molina, and Paul Crutzen for their work in atmospheric chemistry, particularly concerning the formation and decomposition of ozone, that led to the development of the Montreal Protocol on Substances that Deplete the Ozone Layer.

IN THE HOUSE OF REPRESENTATIVES

JULY 31, 2007

Ms. LORETTA SANCHEZ of California submitted the following resolution;
which was referred to the Committee on Science and Technology

RESOLUTION

Congratulating scientists F. Sherwood Rowland, Mario Molina, and Paul Crutzen for their work in atmospheric chemistry, particularly concerning the formation and decomposition of ozone, that led to the development of the Montreal Protocol on Substances that Deplete the Ozone Layer.

Whereas in 1973, on the University of California, Irvine campus, chemists F. Sherwood Rowland and Mario Molina began researching the depletion of stratospheric ozone by the chlorofluorocarbon gases then used worldwide as refrigerants and aerosol propellants;

Whereas on June 28, 1974, F. Sherwood Rowland and Mario Molina published in the scientific journal *Nature*, their path-breaking article, “Stratospheric Sink for

Chlorofluoromethanes: Chlorine Atom-Catalysed Destruction of Ozone”;

Whereas in 1976, the work of F. Sherwood Rowland and Mario Molina connecting chlorofluorocarbons and atmospheric ozone depletion was confirmed by the National Academy of Sciences;

Whereas in 1978, the United States banned chlorofluorocarbons as propellants in aerosol cans;

Whereas in 1987, because of the research of F. Sherwood Rowland, Mario Molina, Paul Crutzen, and many other scientists, the international community acted through the adoption of the Montreal Protocol on Substances that Deplete the Ozone Layer (“Montreal Protocol”);

Whereas the Montreal Protocol created the Multilateral Fund for the Implementation of the Montreal Protocol which provides funds to help developing countries to phase out the use of ozone-depleting substances;

Whereas the Multilateral Fund for Implementation of the Montreal Protocol was the first financial mechanism to be created under an international treaty;

Whereas the Montreal Protocol recognized that world-wide emissions of certain substances can significantly deplete and otherwise modify the ozone layer in a manner that is likely to result in adverse effects on human health and the environment;

Whereas because of the adoption of the Montreal Protocol the levels of chlorofluorocarbon gases in the Earth’s atmosphere have decreased;

Whereas on September 17, 1987, the Montreal Protocol was open for signatures;

Whereas to date, 191 nations have signed the Montreal Protocol;

Whereas F. Sherwood Rowland, Mario Molina, and Paul Crutzen were awarded the Nobel Prize for Chemistry in 1995 for their work in atmospheric chemistry, particularly concerning the formation and decomposition of ozone; and

Whereas September 17, 2007, marks the twentieth anniversary of the signing of the Montreal Protocol: Now, therefore, be it

1 *Resolved*, That the House of Representatives—

2 (1) congratulates scientists F. Sherwood Row-
3 land, Mario Molina, and Paul Crutzen for their work
4 in atmospheric chemistry, particularly concerning
5 the formation and decomposition of ozone, that led
6 to the development of the Montreal Protocol on Sub-
7 stances that Deplete the Ozone Layer; and

8 (2) encourages the continued research of the
9 interaction of humans and their actions with the
10 Earth's ecosystem.

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